



## RESIDENT FISH HATCHERIES ANNUAL REPORT

**Period Covered: October 1, 1989 to December 31, 1990**



**October 1991**

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**RESIDENT FISH HATCHERIES  
1989-1990 ANNUAL REPORT**

**INTRODUCTION**

Resident fish hatcheries produced over 30 million fish weighing approximately 1.5 million pounds in 1990.

Cost of production of all fish was \$1.8 million for an average cost of \$1.20 per pound. Cost per pound for trout 8 to 10 inches in length averaged \$1.08 plus an additional \$0.15 per pound for tanker distribution. Total cost per pound for fry, fingerlings, and subcatchables averaged \$1.67.

The availability of late kokanee eggs from Lake Pend Oreille continues to restrict the Cabinet Gorge Hatchery production potential and, as a result, inhibits our abilities to enhance the Lake Pend Oreille fishery. A net pen rearing program for westslope cutthroat trout was initiated in Lake Pend Oreille, which has proven very popular with the area sportsmen. Plans are being developed for a similar net pen rearing program in Payette Lake.

Broodstock management plans are being developed for all egg-taking stations. A monitoring program for each broodstock will be developed to minimize detrimental hatchery fish breeding practices.

Sandpoint Hatchery was reopened due to a need by the people of Region 1 for additional fish production. Sawtooth Hatchery began the redistribution of catchable rainbow trout received from Hayspur Hatchery. This was done to increase public visibility, distribute the fish at a higher frequency, improve return-to-the-creel, and keep distribution costs as low as possible.

The hatcheries role in public relations work has continued to improve. The appearance of most hatcheries has been upgraded, improved road and informational signs have been installed, and some hatcheries have developed information centers. Several hatcheries have also initiated a Free Fishing Day program, which has proven very popular.

Fish health at all hatcheries with enclosed water supplies has been excellent over the past year. Plans are being developed at the three hatcheries with open water supplies to segregate facilities into pathogen-free and pathogen-present rearing environments. This should allow the production of pathogen-free fry and fingerlings and reduce mortalities on larger fish, which are better able to cope with low levels of pathogens.

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Resident Hatcheries Fish Production  
10/1/89 - 12/31/90<sup>a</sup>

Hatchery	Catchable		Fingerlings		Fish food		Total pounds	Feed conversion	Total cost	Cost/ per 1000 fish	Cost/ pound
	Number	Pounds	Number	Pounds	Pounds	Costs					
Hagerman	1,046,719	253,800	6,892,792	245,530	625,464	\$192,264	499,330	1.25	\$353,200	\$44.49	\$0.71
Nampa	380,256	109,196	4,017,554	166,300	333,725	\$93,050	275,496	1.21	\$240,793	\$54.76	\$0.87
American Falls	498,199	175,676	403,143	15,242	248,193	\$60,807	190,918	1.30	\$182,700	\$202.77	\$0.96
Mackay	130,632	63,356	4,506,173	82,057	149,740	\$32,659	145,413	1.03	\$181,000	\$39.04	\$1.24
Grace	308,743	102,153	975,598	66,562	209,339	\$54,418	168,715	1.24	\$169,700	\$132.26	\$1.01
Hayspur	270,853	104,692	375,024	21,950	189,963	\$47,490	126,642	1.50	\$157,700	\$244.50	\$1.25
Ashton	111,385	28,821	1,619,333	15,208	43,574	\$15,585	44,029	0.99	\$132,100	\$76.36	\$3.00
Cabinet Gorge			8,240,400	29,380	31,533	\$15,100	29,380	1.07	\$193,501	\$23.48	\$6.59
Clark Fork			591,491	36,861	60,000	\$27,942	36,861	1.63	\$166,000	\$280.88	\$4.50
McCall			370,387	1,413	1,800	\$1,134	1,413	1.27	\$40,723	\$110.06	\$28.82
TOTALS	2,746,787	837,694	27,991,895	680,503	1,893,331	\$540,449	1,518,197	1.25*	1,817,417	\$59.13*	\$1.50*

Total cost for each hatchery is that hatchery's total budget minus capital outlay expenditures.

\*Denotes weighted means and adjusted for one year plus three months. <sup>a</sup>In process of converting to calendar year.